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Providing fire retardant property to flammable materials - by formation of overcoated layer of resin compsn. contg. graphite and inorganic fillers

Patent Assignee: NIPPON KASEI KK (NIKS)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2206685	A	19900816	JP 8924814	A	19890203	199039 B

Priority Applications (No Type Date): JP 8924814 A 19890203

Abstract (Basic): JP 2206685 A

Method to provide fire retardant property comprises formation of overcoated layer of resin compsn. (RC). RC has film forming property and contains thermal expansion graphite (TEG) and inorganic fillers.

Inorganic fillers are e.g. mineral acid metalates (e.g. Na sulphate, C phosphate, and Ca carbonate), metal oxides (e.g. Al oxide, and B oxide), metal hydroxides (e.g. Ca hydroxide, and Mg hydroxide), and mineral cpds. (e.g. clay, talc, kaolin, silica, and mica).

USE/ADVANTAGE - New method is suitable to provide fire retardant property to flammable materials (e.g. plastic, and plastic foam materials), and make those materials suitable for e.g. construction materials, thermal insulation materials, and interior materials. New method is easy to apply and is effective. (8pp Dwg.No.0/2)

Title Terms: FIRE; RETARD; PROPERTIES; FLAMMABLE; MATERIAL; FORMATION; OVERCOAT; LAYER; RESIN; COMPOSITION; CONTAIN; GRAPHITE; INORGANIC; FILL

Derwent Class: A32; A60; G02; P73

International Patent Class (Additional): B32B-027/18; C08K-003/04;
C09K-021/14

File Segment: CPI; EngPI